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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ENGELN, Maria,**

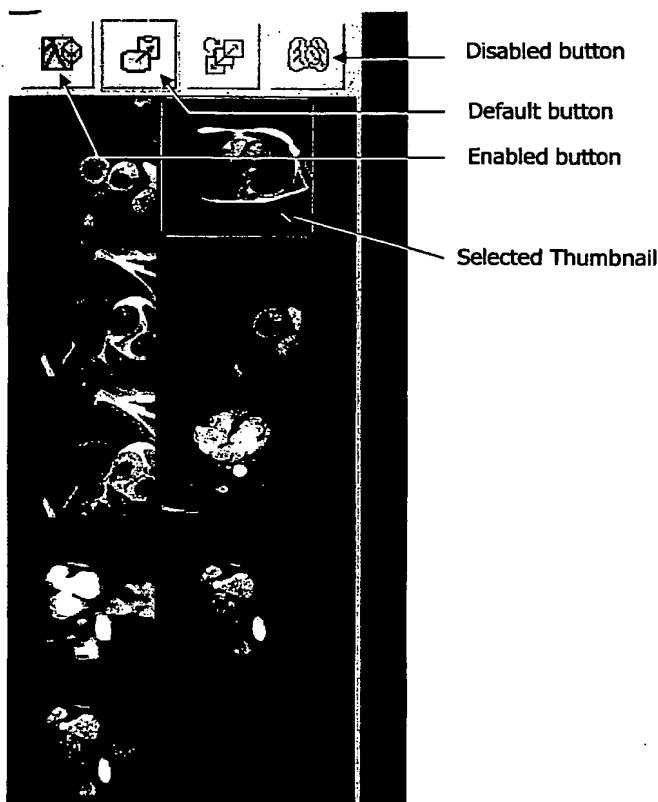
J., V. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **SPRINGORUM, Rudolf, T.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **MAAS, Petrus, C., F.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **FURSTER, Willem, C., C.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **ZUURMAN, Mettina, H.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agents: **COHEN, Julius, S.** et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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(54) Title: DATA PROCESSING SYSTEM



(57) Abstract: The invention relates to a scintillation layer (20) for a PET-detector. The scintillation layer (20) consists of a plurality of scintillation elements (21) that are joined together in a practically gapless way and that are oriented towards the centre of curvature (24). Depending on the form of the scintillation layer (20), the scintillation elements (21) may have for example the form of a truncated wedge or pyramid.

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